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Addressing technique employing both direct and indirect register addressing

HW Edwards Jr ... - US Patent 3,946,366, 1976 - Google Patents

... [54] **ADDRESSING TECHNIQUE EMPLOYING BOTH DIRECT AND INDIRECT REGISTER ADDRESSING**

[75] Inventor: Howard W. Edwards, Jr., Dracut, Mass. ...

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SH3: High code density, low power- ► [nysysu.edu.tw](#) (PDF)

A Hasegawa, I Kawasaki, K Yamada, S Yoshioka, S ... - IEEE micro, 1995 - [ieeexplore.ieee.org](#)

... Addressing mode Instruction format Direct register Indirect register Postincrement

indirect register Predecrement indirect register Indirect register with ...

Cited by 90 - Related articles - Web Search - BL Direct - All 4 versions

... of modifying a microinstruction with operands specified by an instruction held in an alias register

A Carbine, FS Smith - US Patent 5,222,244, 1993 - Google Patents

... s9. g2 TABLE I Indirect Indirect Register Addressing Allowed in Register

Syntax Address these fields: source 1 src 1 alias sO src1.src2.dst src 1 (high ...

Cited by 42 - Related articles - Web Search - All 2 versions

Memory bank and register allocation in software synthesis for ASIPs- ► [ktupm.edu.sa](#) (PDF)

A Sudarsanam, S Malik - 1995 IEEE/ACM International Conference on Computer-Aided ..., 1995 - [ieeexplore.ieee.org](#)

... When register-indirect addressing is used, the AGU generates the effective address. ...

Both memory accesses use register-indirect addressing - the ad- ...

Cited by 93 - Related articles - Web Search - BL Direct - All 8 versions

Instruction substitution mechanism in an instruction handling unit of a data processing system

DB Martin - US Patent 4,439,628, 1984 - Google Patents

... will be stored in the Opera- indirect substitute instruction ... tion Register 14, the

Instruction Register 24 will ... detector of the code and address generation phase ...

Cited by 33 - Related articles - Web Search - All 2 versions

A formal HDL and its use in the FM9001 verification

WA Hunt, C Brook - Philosophical Transactions: Physical Sciences and ..., 1992 - [jstor.org](#)

... addressing modes: register direct, register indirect, register indirect with

pre-increment, and register indirect with post-increment. ...

Cited by 80 - Related articles - Web Search - Library Search - All 11 versions

Use of configuration registers to control access to multiple caches and nonvolatile stores

BC Beardsley, RR Knowlden, GA Spear - US Patent 5,640,530, 1997 - Google Patents

... of a storage path processor; degradation of system performance will occur should

this mG 5 is a block diagram showing the indirect addressing single point of ...

Cited by 19 - Related articles - Web Search - All 2 versions

Capability-based addressing- ► [bgu.ac.il](#) (PDF)

RS Fabry - 1974 - [portal.acm.org](#)

... and the main problem with the uniform address solution is ... segment for each process

and thus specifies indirect evaluation through a processor register. ...

Cited by 34 - Related articles - Web Search - All 6 versions

Signal processor memory management unit with indirect addressing using selectable offsets and modulo ...

BC Wang, ME Daly ... - US Patent 4,935,867, 1990 - Google Patents

... A/B- DECODED REGISTER WRITE ADDRESS VALID 300o 301 A/B- INTERNAL ADDRESS LATCH

VALID 302 B-INTERNAL ADDRESS BUFFER VALID 304 A/B- INDIRECT ADDRESS UPDATE ...

Cited by 30 - Related articles - Web Search - All 2 versions

Method and system for **addressing** registers in a data processing unit in an **indirect addressing** mode

RC Agarwal, JJH Forrest, FG Gustavson, MA Johnson, ... - US Patent 5,890,222, 1999 - Google Patents

... It is yet another object of the present invention to provide an improved method

and system for **addressing register** files in an **indirect addressing** mode. ...

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Key authors: [S Malik](#) - [A Sudarsanam](#) - [Y Patt](#) - [G Araujo](#) - [W Hunt](#)

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